

DEVASHISH PURANDARE

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EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA CRUZ

MS IN COMPUTER SCIENCE

Expected Dec 2017 | Santa Cruz, CA
Cum. GPA: 3.5

UNIVERSITY OF PUNE

BE IN COMPUTER ENGINEERING

2016 | Pune, India

Cum. GPA: 70%

"First Class with Distinction"

LINKS

Github:// [devashishp](#)

LinkedIn:// [devashishp](#)

Twitter:// [@dev14e](#)

COURSEWORK

GRADUATE

232 | Distributed Systems (A)

242 | Machine Learning (B)

201 | Analysis of Algorithms

221 | Advanced Operating Systems

UNDERGRADUATE

Data Structures

Operating Systems

Networking

Databases and Data Mining

Algorithms

Compilers

Computer Graphics

Artificial Intelligence

Microprocessors

Game Theory

High Performance Computing

Business Analytics

Spanish

SKILLS

PROGRAMMING

Intermediate

Python • C++ • \LaTeX

Competent

C • Java • HTML-CSS-Javascript

Familiar

Shell • SQL • CUDA • Android

PROJECTS

THE POWERSAVER OS | OPERATING SYSTEMS PROJECT

2017 - In Progress

Working on an Operating System which will aggressively reduce its power consumption as the battery life goes down. Plans include changes in scheduling, read writes, connected sleep.

"HAPPY HOUR" DETECTION | MACHINE LEARNING PROJECT

2016

Worked in a team of 4 to use of text mining and machine learning techniques to extract the best deals at any given time and location from the yelp dataset. Worked on topic modelling, then turned the problem into a classification problem Uses Naive Bayes : github.com/devashishp/Happy-HourDetection

"SYSTEMS OF INSTANT MESSAGING" | DISTRIBUTED SYSTEMS

2016

Survey of systems of Instant messaging - Starting from Telegraph to the state of the art. Analysis of the age each system was developed in, the design considerations that went in, the challenges faced and addressed and the legacy. devashishpurandare.me/assets/pdf/IM.pdf

CONTENT BASED IMAGE RETRIEVAL | CAPSTONE

2016

Implemented a similar image search system in a team of 3 using Python (scipy, numpy, pandas) and OpenCV. Optimized Performance making it several times faster than the original system. Code - github.com/devashishp/ContentBased-Image-Retrieval. Description - devashishpurandare.me/assets/pdf/hcbir.pdf

DAILY IMAGE | FIREFOX OS APP

2014-15

Web app to retrieve the daily NASA and Bing image along with description and ability to set it as wallpaper. Work around CORS policies and use of web APIs offered by Firefox OS. Link - marketplace.firefox.com/app/dailyimage. Code - github.com/devashishp/daily-image

EXPERIENCE

UC SANTA CRUZ | TUTOR + READER - INTRO TO CS

Sep 2016 - Present

- Conduct Lab sessions and office hours.
- Help students with homework and classwork.
- Grade homework, tests, and midterms.

UC SANTA CRUZ | READER - OPERATING SYSTEMS

Jan 2017 - Present

- Grade assignments and midterms.
- Includes grading assignments changing scheduling, memory management.

MISC.

- Vice President of 'The English Club'. - In charge of funding, marketing drives and seeking sponsorships
- Editor in Chief of the college newsletter - 'The DEN'.